Abstracts

Microwave Generation Using Laser Heterodyne Technique with Independent Controllability in Frequency and Phase

N. Kishi, M. Aga and E. Yamashita. "Microwave Generation Using Laser Heterodyne Technique with Independent Controllability in Frequency and Phase." 1995 Transactions on Microwave Theory and Techniques 43.9 (Sep. 1995, Part II [T-MTT] (Special Issue on Microwave and Millimeter Wave Photonics)): 2284-2287.

This paper describes the theoretical and experimental investigation of a scheme for microwave generation laser heterodyne. The frequency of the generated controlled by changing the frequency difference temperature-controlled semiconductor laser diodes difference between the two microwaves is controlled the difference between the two states of polarization laser beams. An attractive feature of this scheme independent controllability in frequency and phase.

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